

100

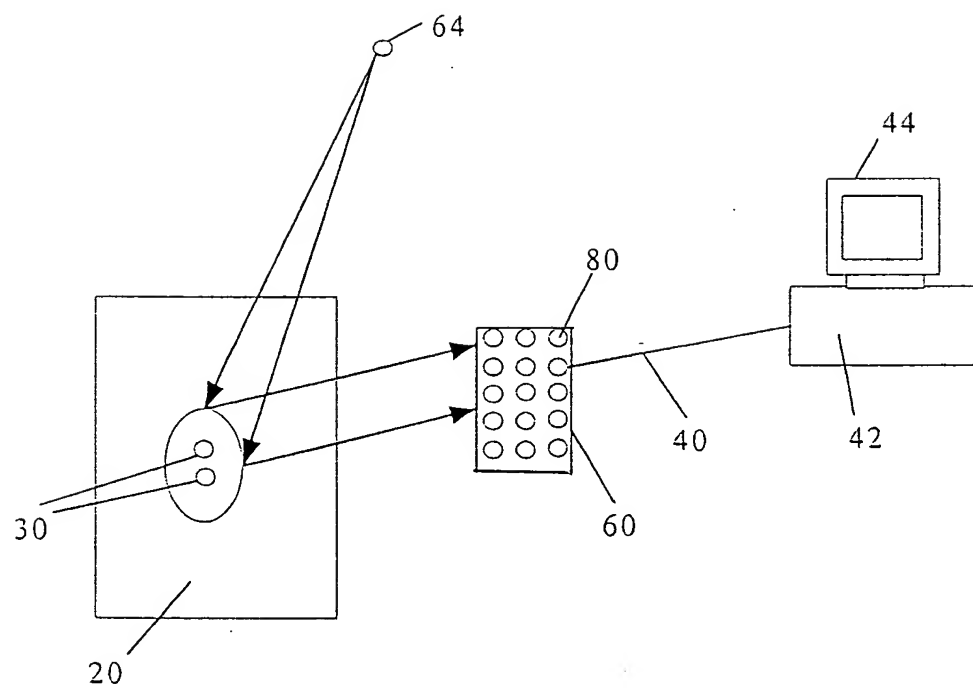
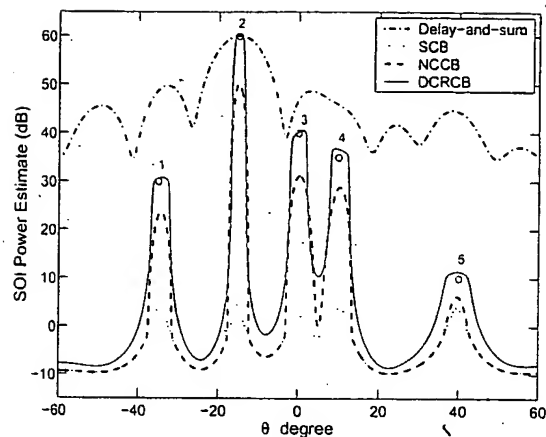
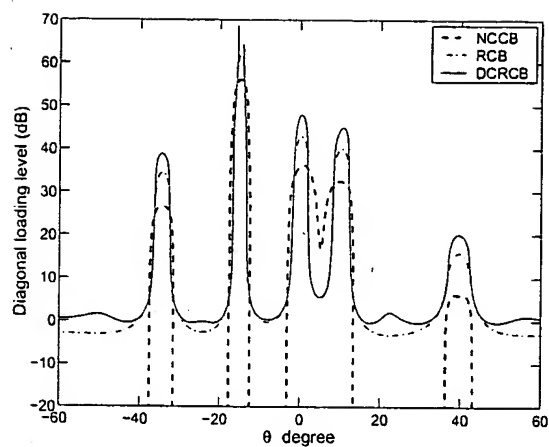


FIG. 1

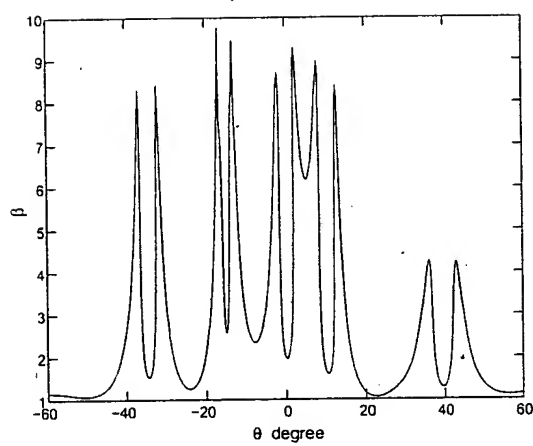


(a) Power estimates

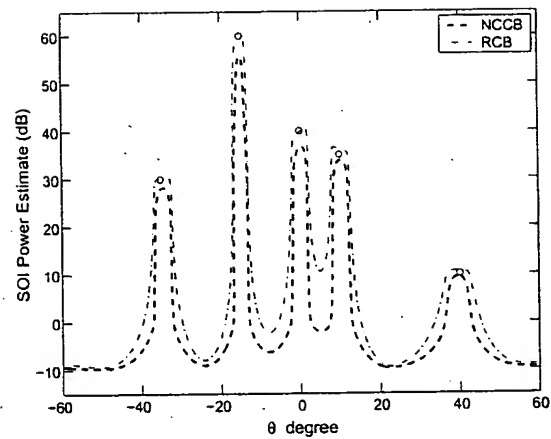


(b) Diagonal loading levels

FIG. 2

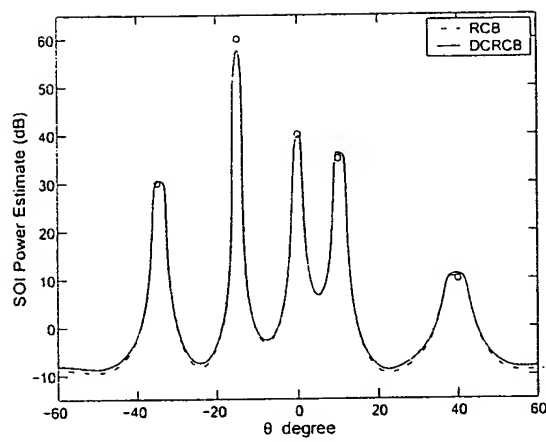


(a) β

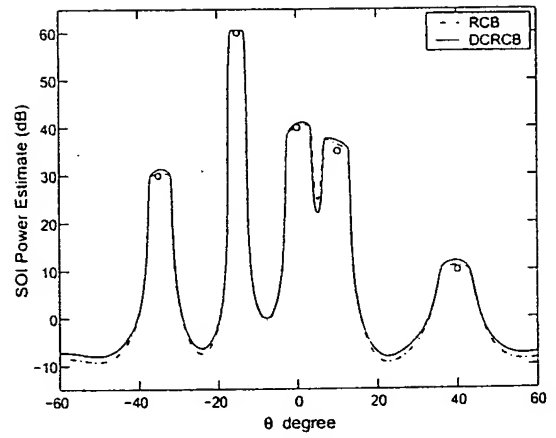


(b) Power estimate

FIG. 3

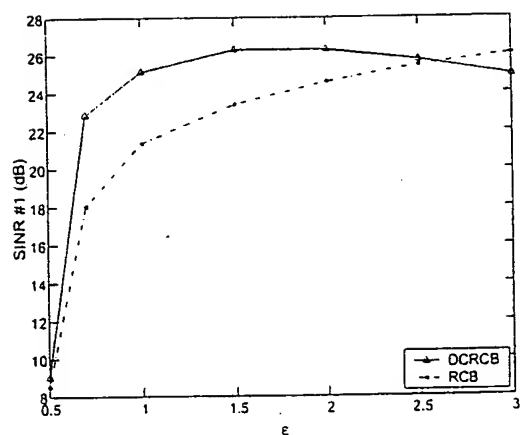


(a) $\epsilon = 0.7$

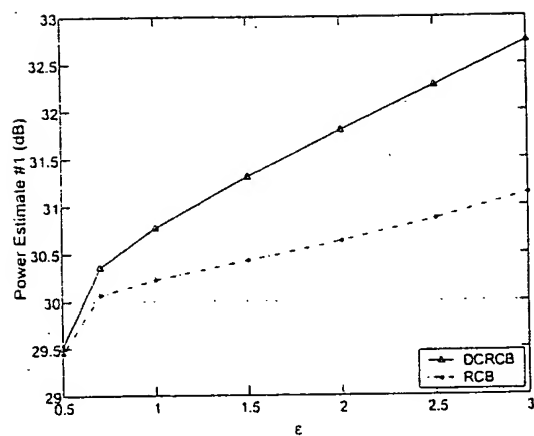


(b) $\epsilon = 1.5$

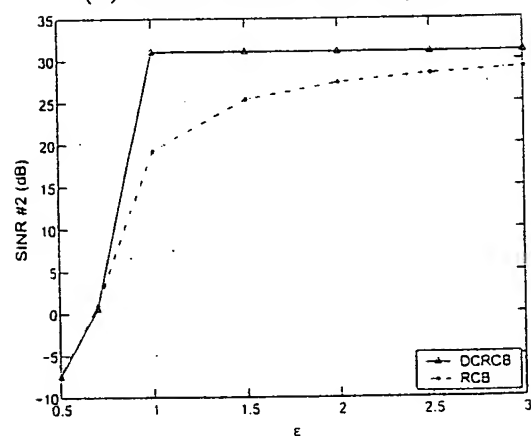
FIG. 4



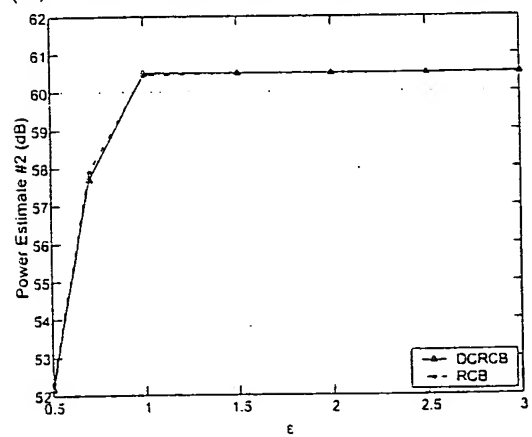
(a) SINR of the first signal



(b) Power estimate of the first signal

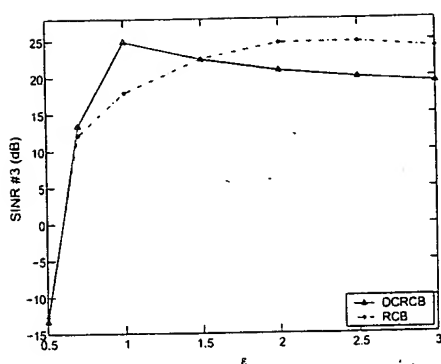


(c) SINR of the second signal

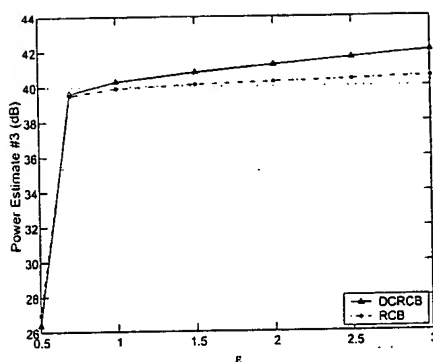


(d) Power estimate of the second signal

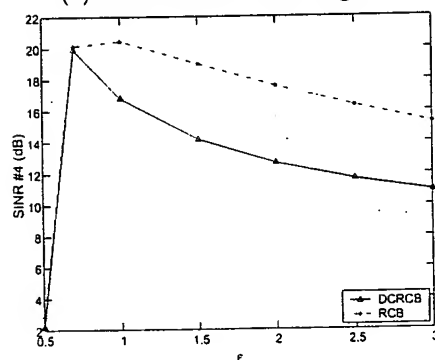
FIG. 5



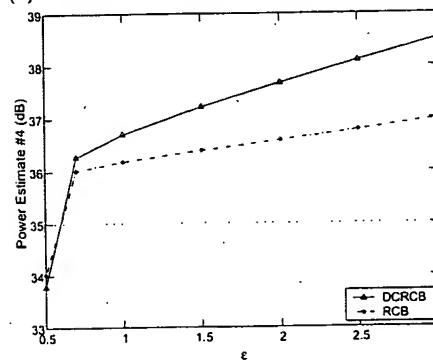
(e) SINR of the third signal



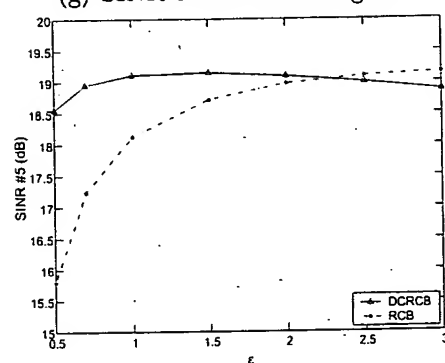
(f) Power estimate of the third signal



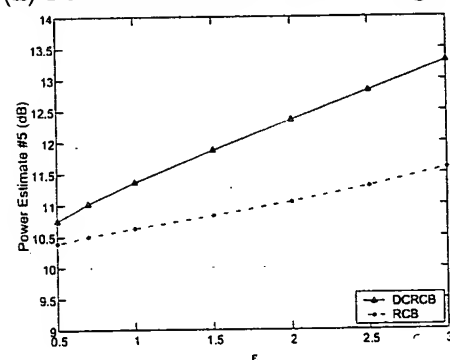
(g) SINR of the fourth signal



(h) Power estimate of the fourth signal

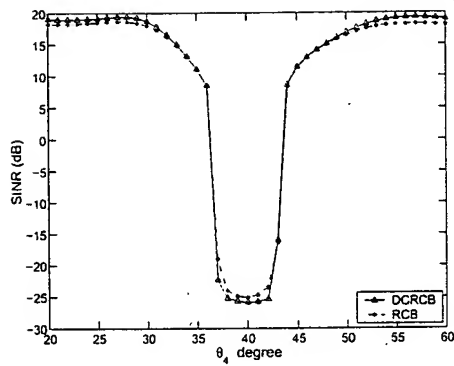


(i) SINR of the fifth signal

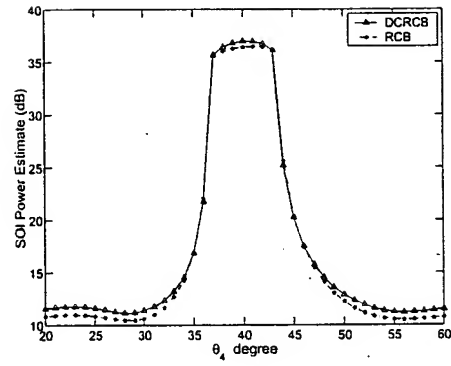


(j) Power estimate of the fifth signal

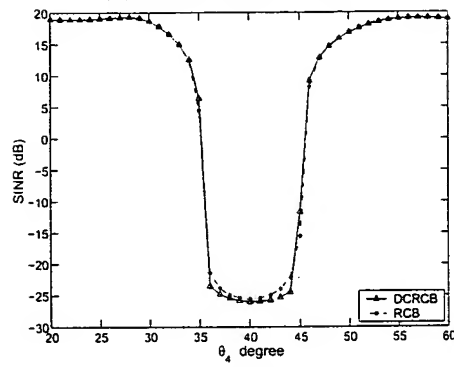
FIG. 5



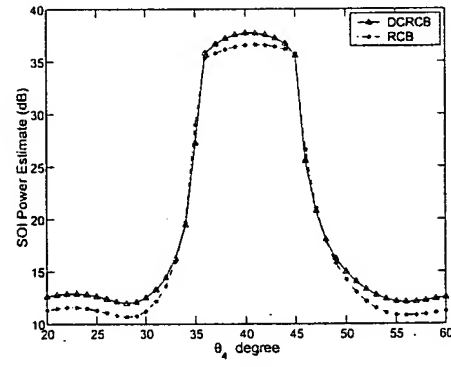
(a) SINR with $\epsilon = 1.0$



(b) Power estimate with $\epsilon = 1.0$

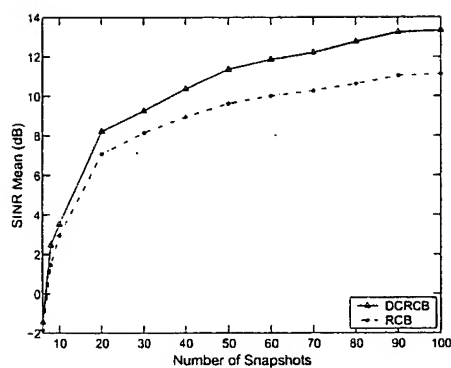


(c) SINR with $\epsilon = 2.0$

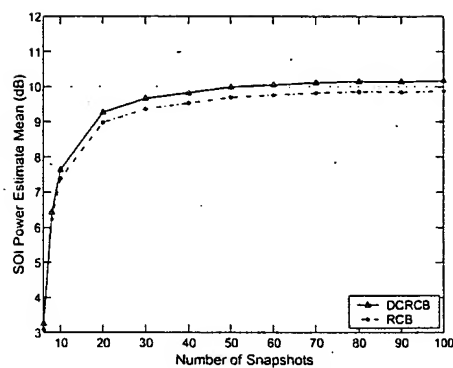


(d) Power estimate with $\epsilon = 2.0$

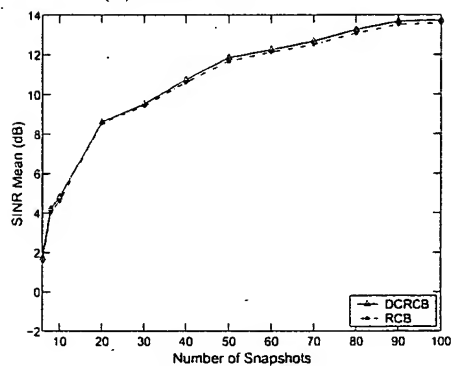
FIG. 6



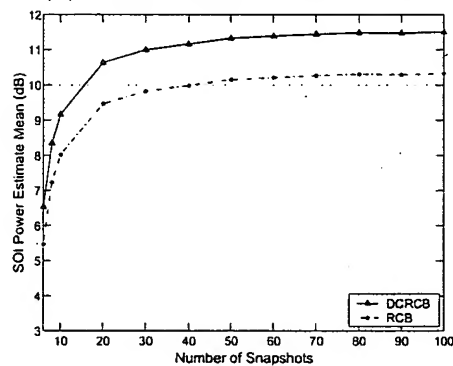
(a) SINR with $\epsilon = 0.6$



(b) Power estimate with $\epsilon = 0.6$

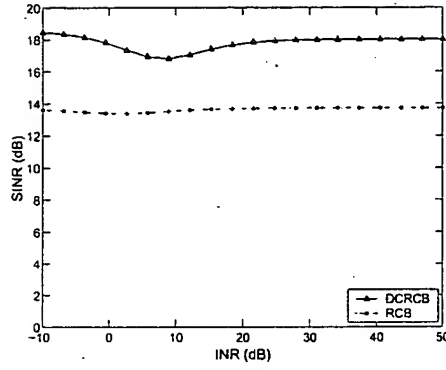


(c) SINR with $\epsilon = 2.0$

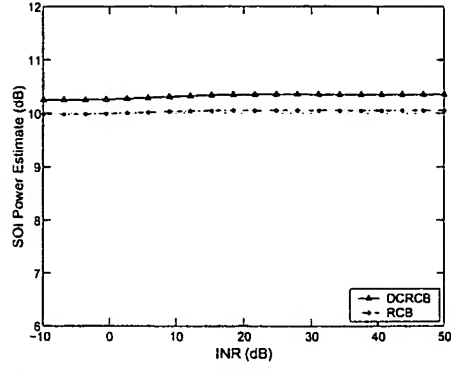


(d) Power estimate with $\epsilon = 2.0$

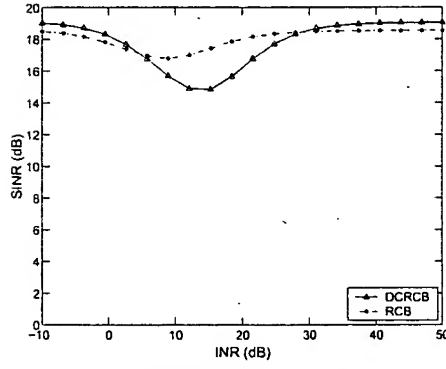
FIG. 7



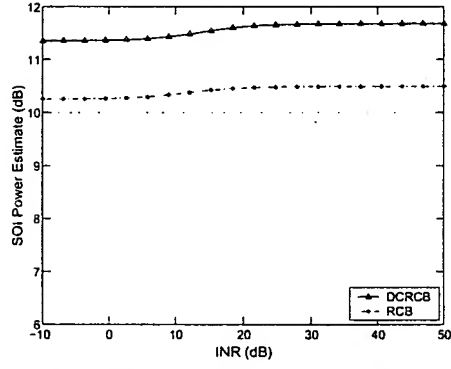
(a) SINR with $\epsilon = 0.6$



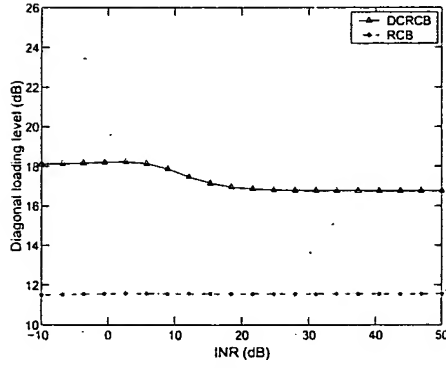
(b) Power estimate with $\epsilon = 0.6$



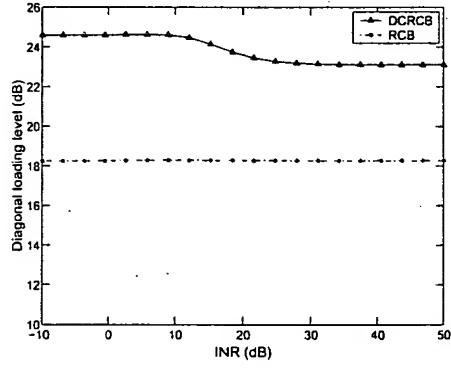
(c) SINR with $\epsilon = 2.0$



(d) Power estimate with $\epsilon = 2.0$

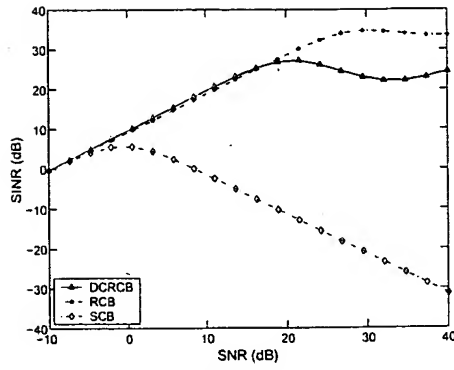


(e) Diagonal loading level for $\epsilon = 0.6$

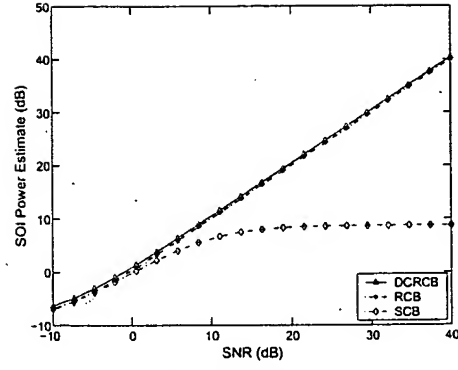


(f) Diagonal loading level for $\epsilon = 2.0$

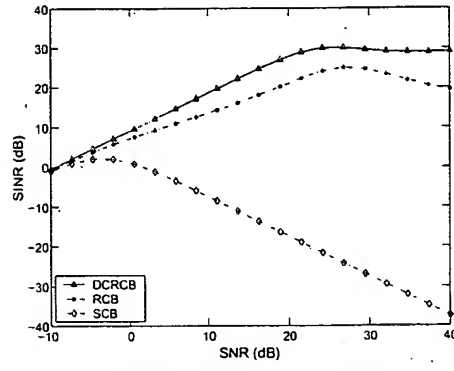
FIG. 8



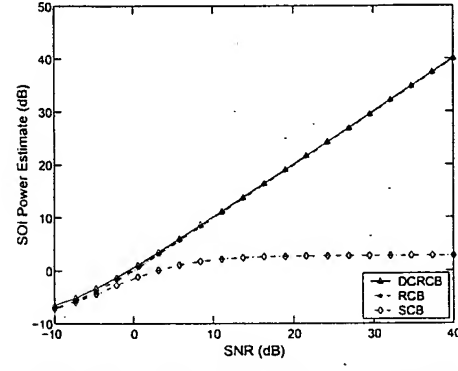
(a) SINR with $\epsilon_0 = 0.1474$



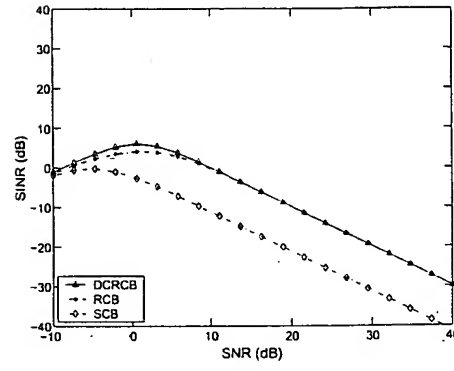
(b) Power estimate with $\epsilon_0 = 0.1474$



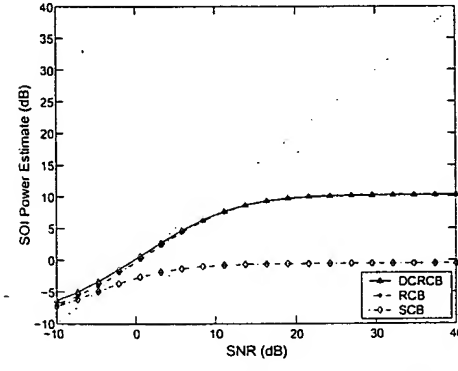
(c) SINR with $\epsilon_0 = 0.5939$



(d) Power estimate with $\epsilon_0 = 0.5939$

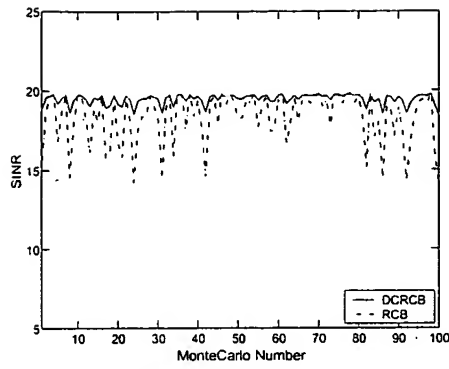


(e) SINR with $\epsilon_0 = 1.2289$

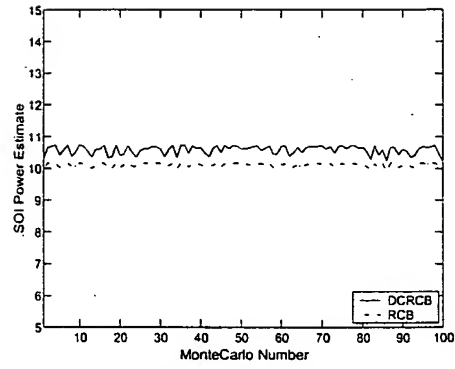


(f) Power estimate with $\epsilon_0 = 1.2289$

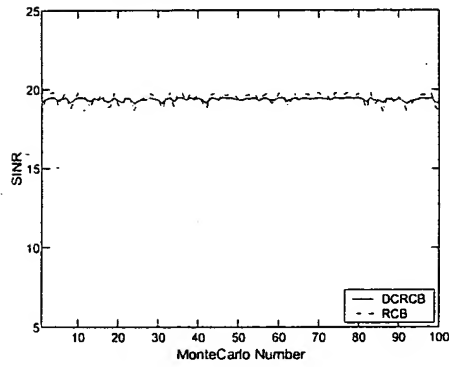
FIG. 9



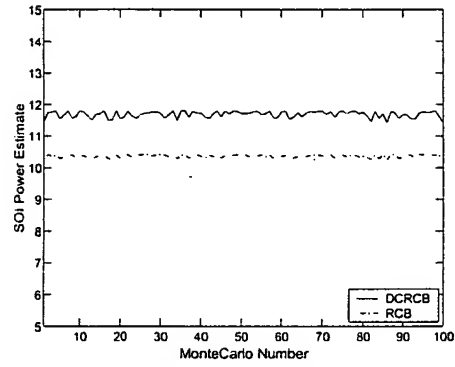
(a) SINR with $\epsilon = 0.6$



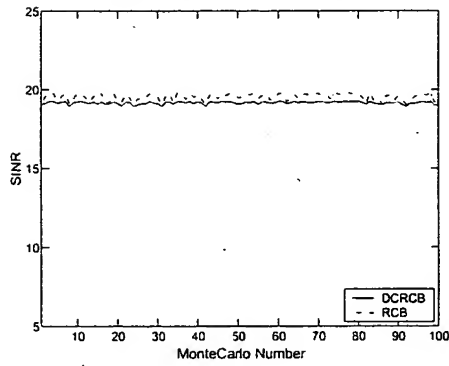
(b) Power estimate with $\epsilon = 0.6$



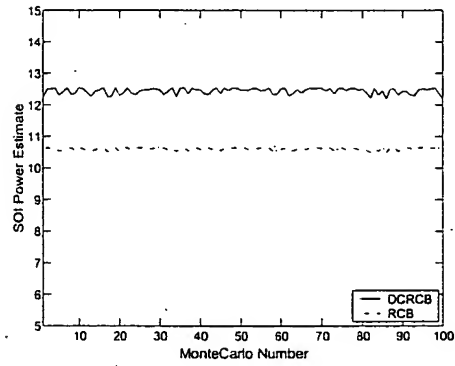
(c) SINR with $\epsilon = 2.0$



(d) Power estimate with $\epsilon = 2.0$

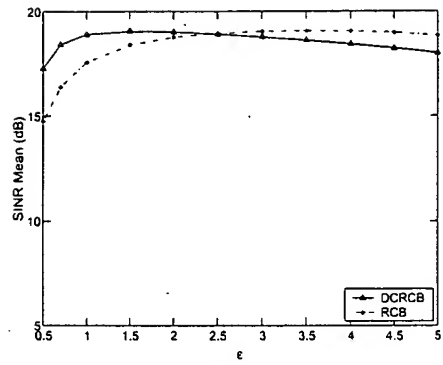


(e) SINR with $\epsilon = 3.0$

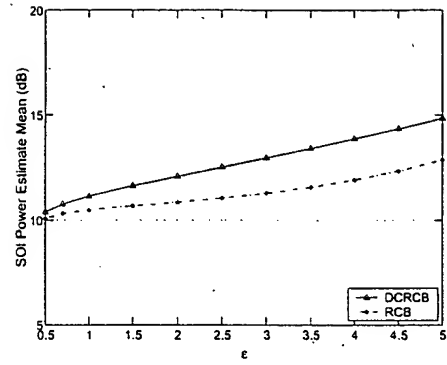


(f) Power estimate with $\epsilon = 3.0$

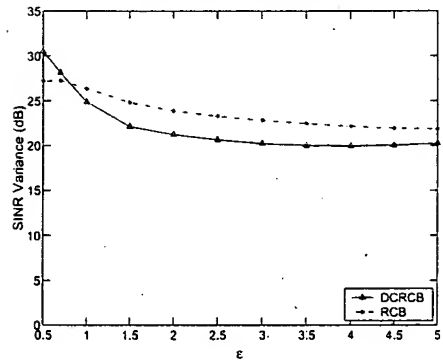
FIG. 10



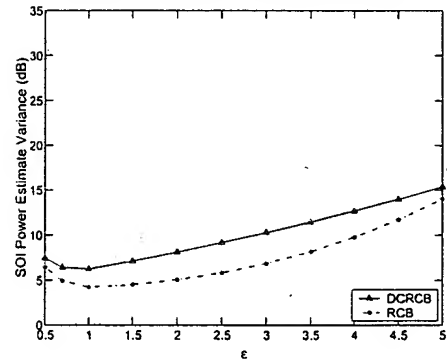
(a) SINR mean



(b) SOI power estimate mean



(c) SINR variance



(d) SOI power estimate variance

FIG. 11